

# RE-7478MK1

## Quick Installation Guide

09-2019 / v1.0

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## I. Product Information

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The convenient package RE-7478MK1 of three nodes (1 Master, 2 Slave) effortlessly create a reliable internet connection and extend your internet access throughout your home or office.

With the EdiMESH App, you can set up your devices in minutes, and manage each device from anywhere.

You can find all supporting documents from the link below or via QR Code:

<https://www.edimax.com/download>



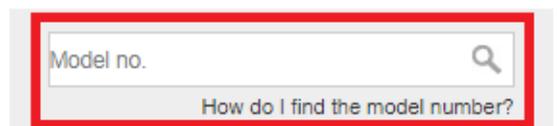
(Once you've visited the Edimax official website, please enter the model no. "RE-7478MK1" into the search box to search for your product.)

### Download

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To select your product and find related download materials, enter the model number into the search box on the right side or follow the simple steps below:

\*Feel free to contact us anytime if you need help or if you can't find your product.

A screenshot of a search box on a website. The search box is rectangular with a light gray background and a red border. It contains the text "Model no." followed by a magnifying glass icon. Below the search box, there is a link that says "How do I find the model number?".

Model no.

[How do I find the model number?](#)

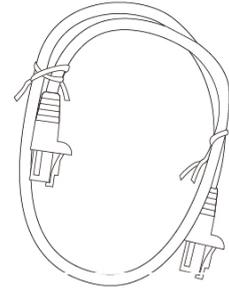
## I-1. Package Content



**3 x Nodes(12Vdc,1A)**  
**(1 Master, 2 Slaves)**



**Quick Installation Guide**



**Ethernet Cable**

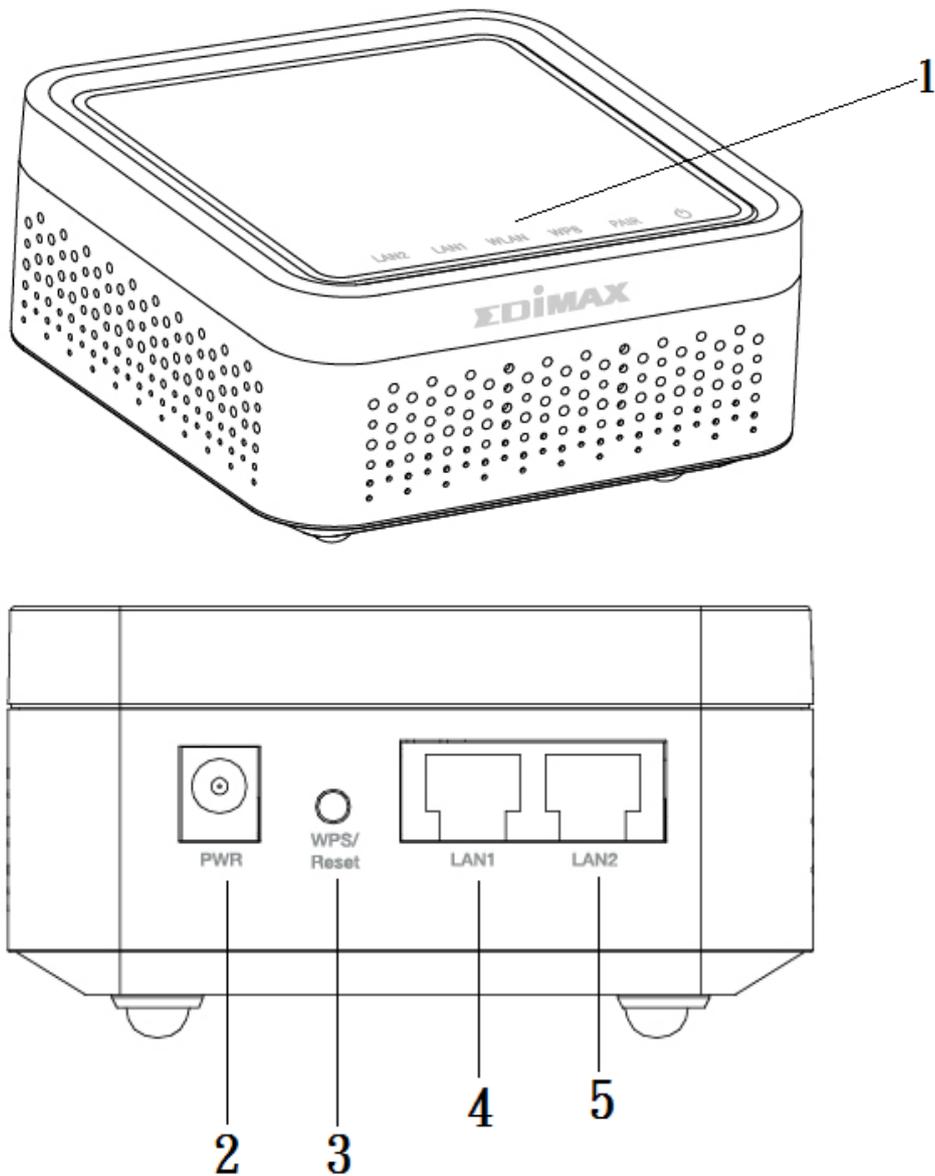


**Power Adapter (12Vdc,1A)**

## I-2. System Requirements

- Cable or xDSL Internet connection (RJ-45 cable modem or RJ-45 ADSL modem).
- iOS 9.0 and above or Android 4.x and above for EdiMESH App.

### I-3. Hardware Interface



No.	Description
1	LED Status (LAN2, LAN1, WLAN, WPS, PAIR, Power)
2	Power Jack (12V/1A)
3	WPS / Reset
4	LAN1
5	LAN2

## I-4. LED Status

LED	Color	Status	Description
Power	Green	On	Power on.
		Off	Power off.
Pair (Master)	Green	On	Slave signal detected.
		Off	No Slave signal detected.
Pair (Slave)	Green	On	Excellent slave location. Signal strength: 80 – 100%
		Slow Flashing	Good slave location. Signal strength: 40 – 80%
		Quick Flashing	Poor slave location. Signal strength: Below 40%
		Off	No master signal detected.
WPS	Green	On	WPS connection established (WPS LED will remain on for 30 seconds to indicate a successful connection).
		Flashing	WPS in progress (waiting for another WPS device).
		Off	No WPS in progress.
WLAN	Green	On	Device is connected.
		Off	Device is not connected.
LAN1	Green	On	LAN port is connected.
		Off	LAN port is not connected.
LAN2	Green	On	LAN port is connected.
		Off	LAN port is not connected.

## II. Installation

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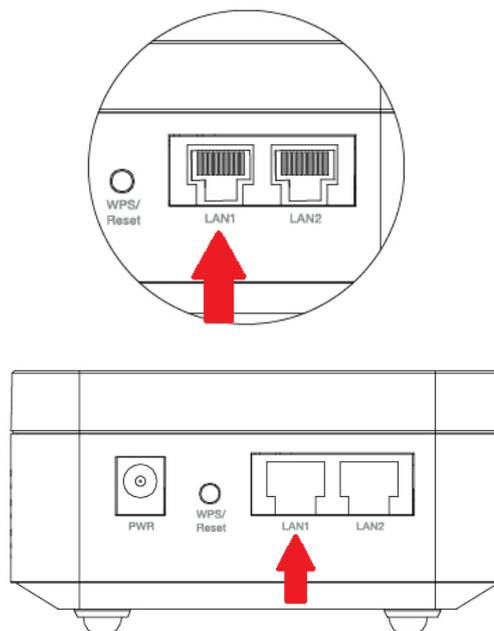
This section will guide you through the steps to connect your RE-7478MK1 to the EdiMESH App.

### II-1. Hardware Installation

Please follow the steps below:

1. Connect a power supply to each node.
2. Connect the master to the router using Ethernet cables. One of the nodes has a Master sticker while the other two have Slave stickers, indicating their relationships.

**NOTE: Make sure the Ethernet cable is connected to the “LAN1” port of the Master node as shown below:**



3. Please wait power and Internet LEDs (LAN1) are turned on.

## II-2. Smart App Installation

Search and download "**EdiMESH**" in **Apple App Store** or **Google Play Store**.  
Launch the "**EdiMESH**" in your smart mobile device.



**For Internet connection procedure, please follow the instructions below according to your mobile device.**

## II-3. Connect to RE-7478MK1

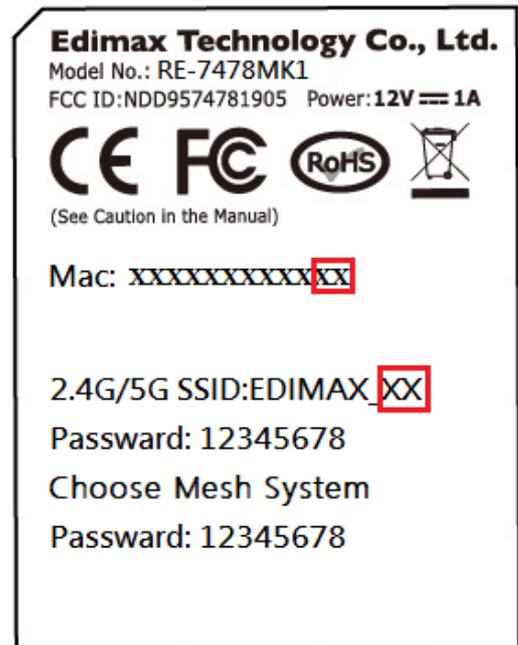
Please connect RE-7478MK1 with your smart phone.

### 1. Wi-Fi Connection

Connect your device through mobile to the Wi-Fi SSID of your RE-7478MK1 (EDIMAX\_\*\*).



Please find the unique SSID of your RE-7478MK1 on the product label. The last 2 digits \*\* of the SSID “EDIMAX\_\*\* ”is the Mac last two digits of the Master’ s label and Password: 12345678.



**Note: Clicking the Wi-Fi SSID, and select your Wi-Fi network, which must be the same as your nodes (1 Master, 2 Slaves) Wi-Fi SSID from the list.**

**Continue by entering your Wi-Fi password “12345678”, clicking the “Confirm” button to save the Wi-Fi setting.**

## II-4. App Setup

Please follow the steps below,

1. Download and install “EdiMESH” app via Google Play or Apple App Store.



2. Open EdiMESH.

3. Click “Choose Mesh System”.



4. Create a nickname for your Mesh System and click “Next”.



### Choose Mesh System

Nickname

Choose Mesh Systems

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Create your own nickname with 4-24 letters, numbers or special characters. Always required when you sign in.

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By creating a nick name,  
you agree to our [Terms of Use](#) and [Privacy Policy](#).

5. Enter the login password (for default login password “12345678”, see the label of the product) and click “Next”.



### Enter Login Password

Login Password

Enter the login password

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By creating a nick name,  
you agree to our [Terms of Use](#) and [Privacy Policy](#).

Once you register your nickname and login password successfully, a welcome page is displayed.

Congrats! You can now remotely control RE-7478MK1 using the EdiMESH App.



Welcome!

All Done!  
Experience seamless Wi-Fi system.  
You can access your Wi-Fi system anytime anywhere.

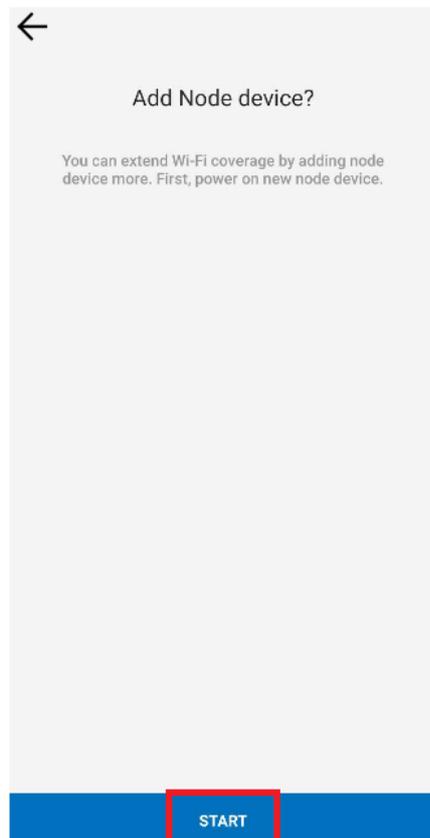
DONE

## II-5. Manually Add Node To EdiMESH

Please note that the products are already paired. If the node does not connect to EdiMESH App successfully, or if you are trying to add a new node to EdiMESH, you can simply use the EdiMESH App or WPS button.

Please follow the steps below if you want to add an additional node,

1. Click the “+” icon of "My Wi-Fi System" at the bottom of the home page.
2. Click “START” to search for the new node.



3. Click Next (Please check if the serial number of the node is correct).
4. Click Finish.

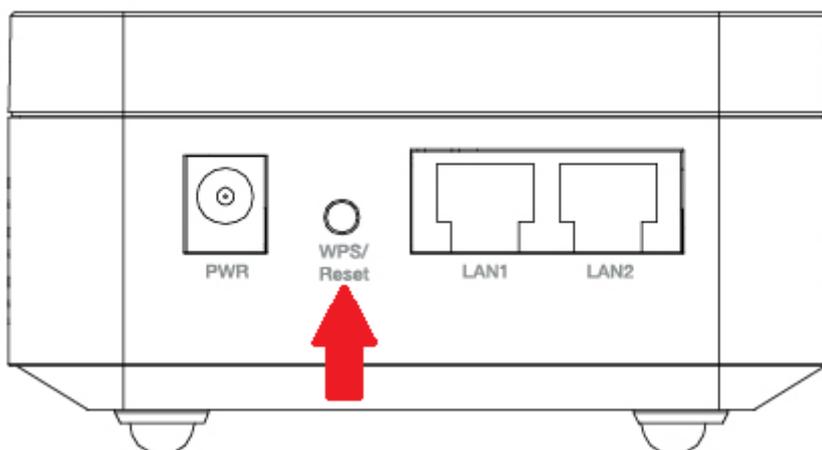
## II-6. Adding nodes with the WPS Button

Please note that the 3 X nodes (Master/Slave) are already paired. If the slave node is failing to connect to the master node then you can use the WPS button to connect the Master/Slave node.

Please follow the steps below,

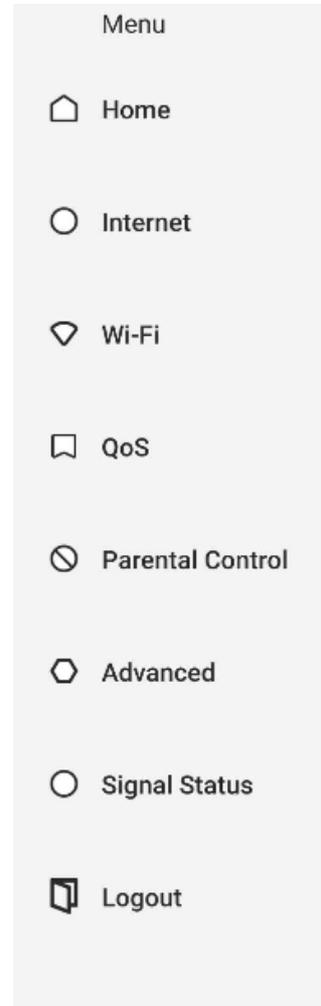
1. Press the WPS button on the slave nodes and the master node.

**Note: If the Slave is added and paired successfully, the Pairing LED of the Slave will flash.**



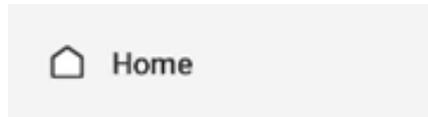
### ***III.Menu***

Please click the Menu icon  on the top left corner of the Home Page and follow the instructions below for more details:



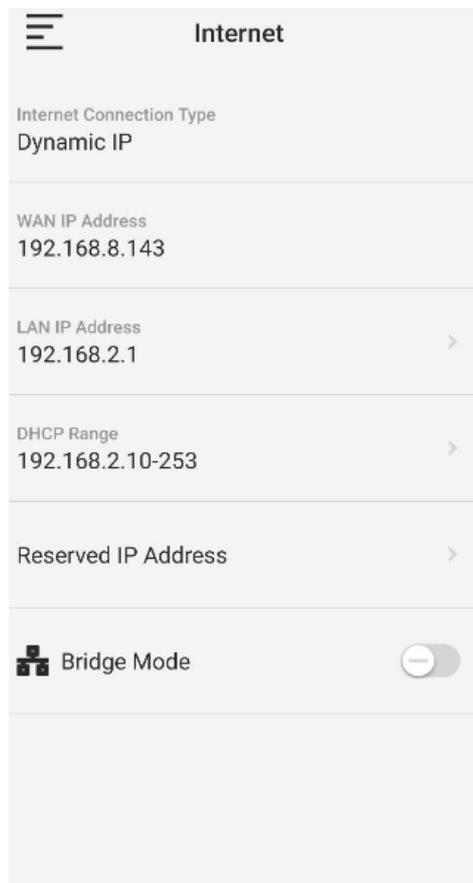
### III-1. Home

Going back to the homepage.



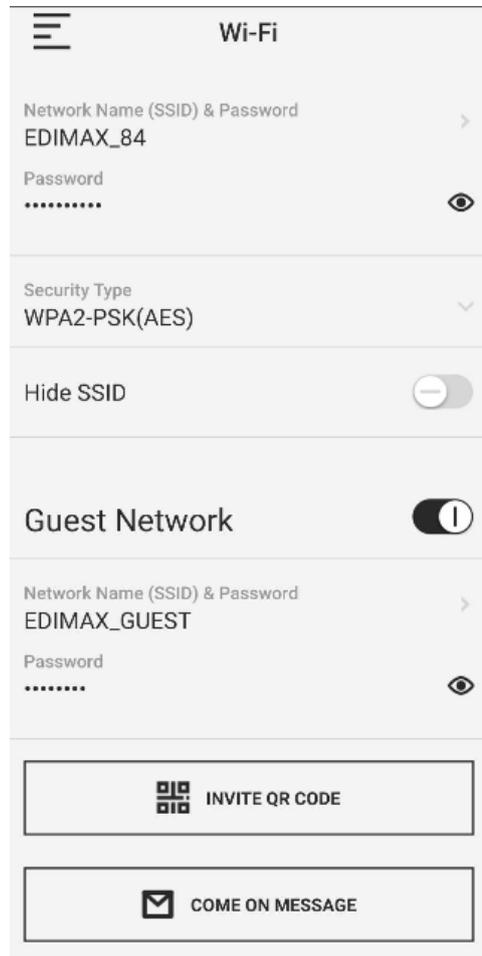
## III-2. Internet

You can check the current connected internet information, Use the bridge mode if you are trying to use the device by connecting to an existing router or modem. If set up as a bridge mode, the same network as the connected router or modem is used.



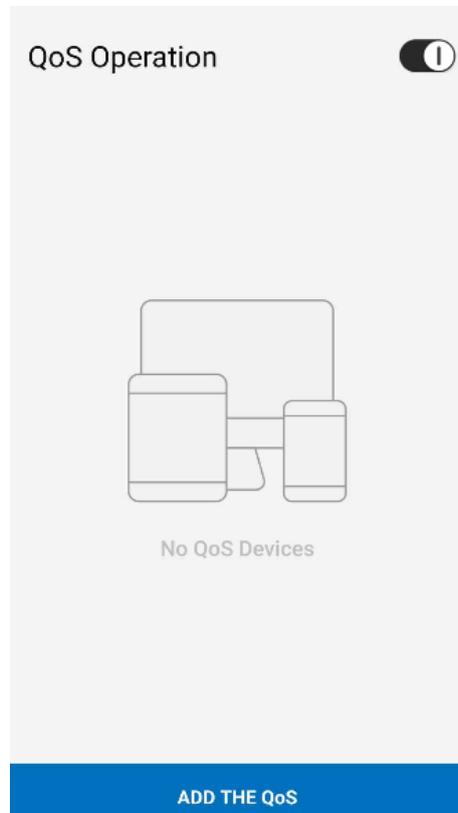
## III-3. Wi-Fi

You can change the SSID name and password, change Security Type, enable/disable Hide SSID, enable/disable Guest Network.



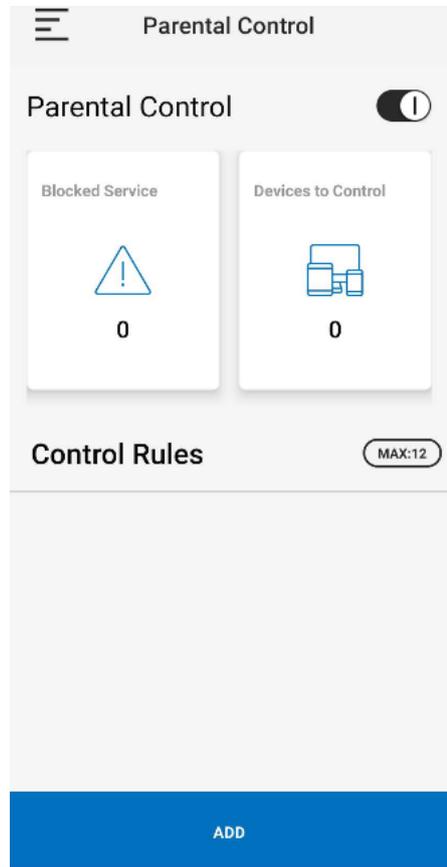
### III-4. QoS

You can enable QoS operation to achieve maximum bandwidth. QoS also involves controlling and managing network resources.



### III-5. Parental Control

When you turn on Parental Control, you can set schedule and restrict what websites can be accessed.



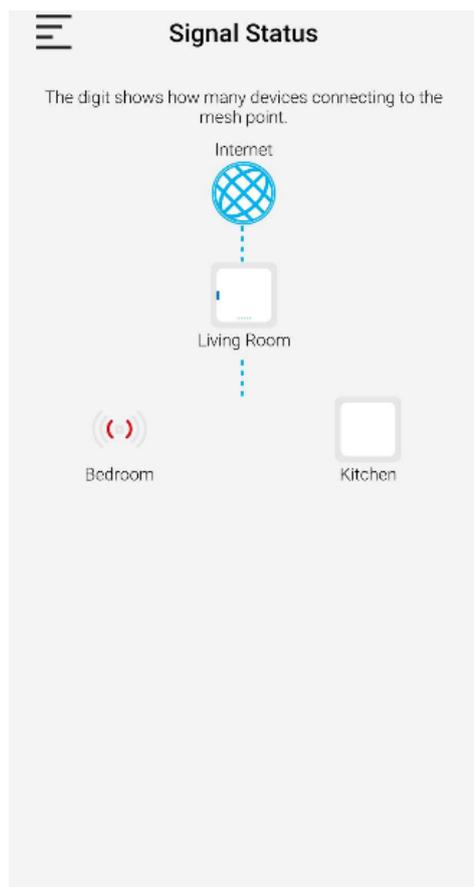
### III-6. Advanced

Features such as DMZ, UPnP and IPv6 are supported. We recommend that you use the default settings.



### III-7. Signal Status

You can check how many devices are connecting to your RE-7478MK1.



### III-8. Logout

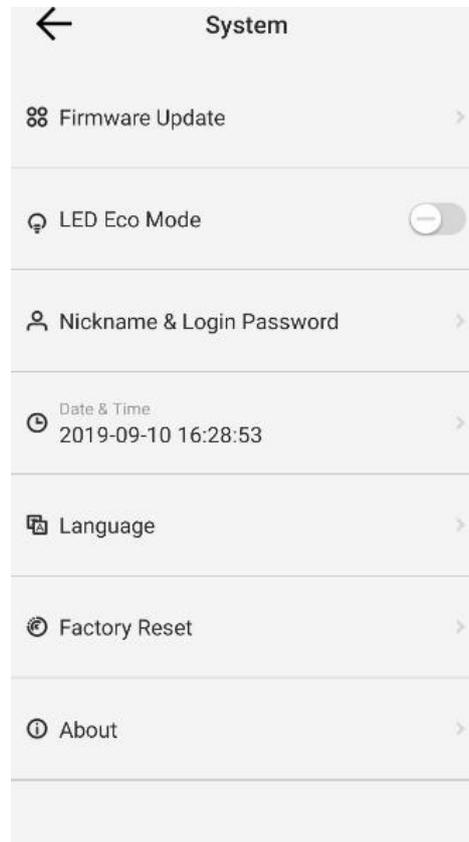
You can log off the account by clicking "logout".



## IV. System

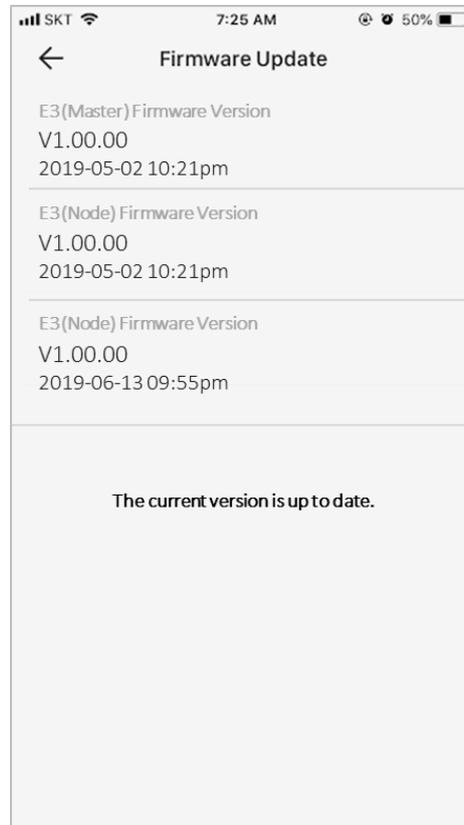
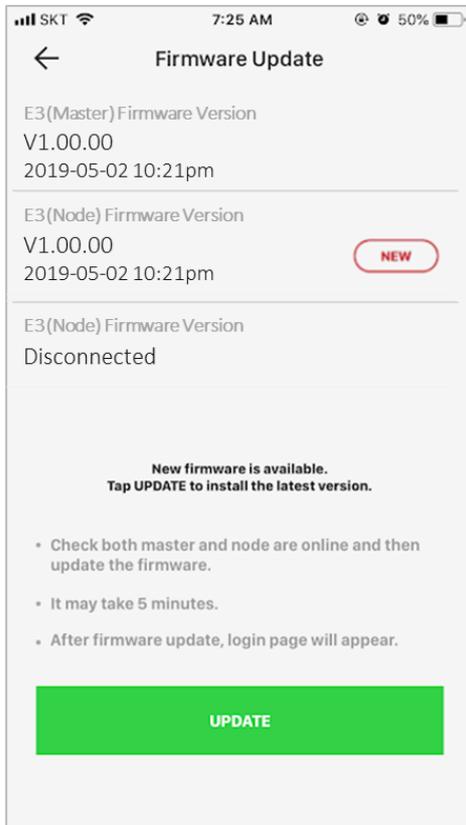
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Please click the System icon  on the top right corner of homepage. And follow the instructions below for more details:



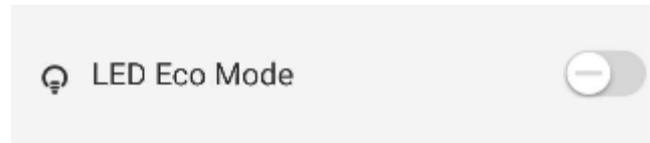
## IV-1. Firmware Update

Please click “UPDATE” if the latest firmware is available.



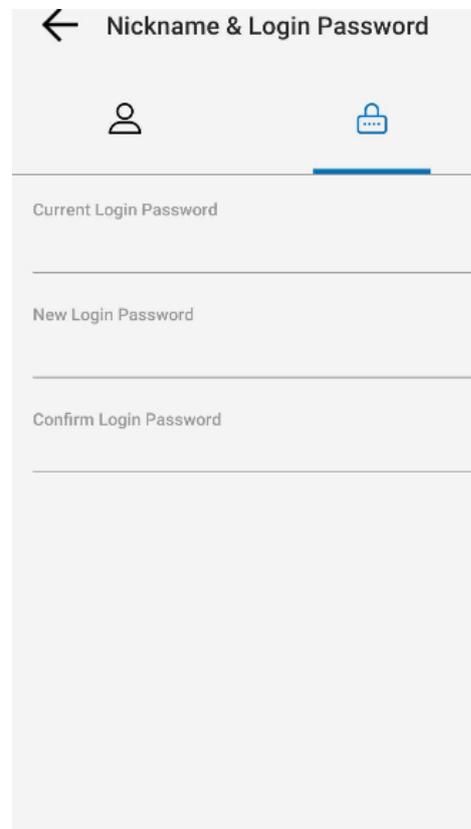
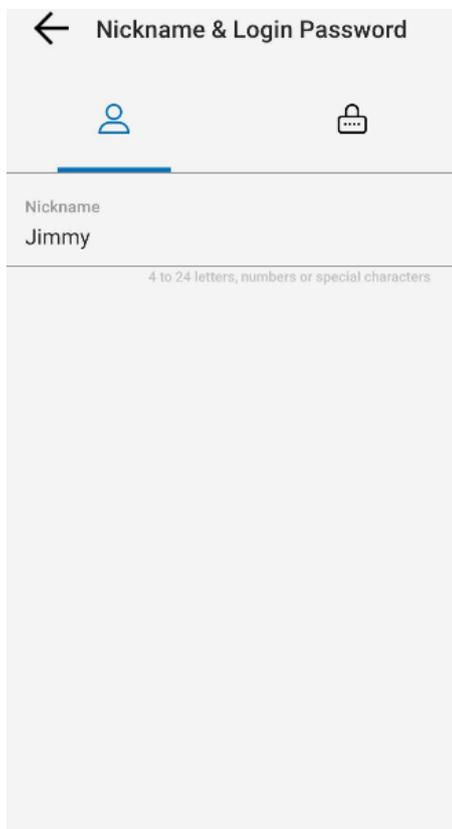
## IV-2. LED Eco Mode

If the “LED Eco Mode” is enabled, all LEDs except the power LED will be turned off.



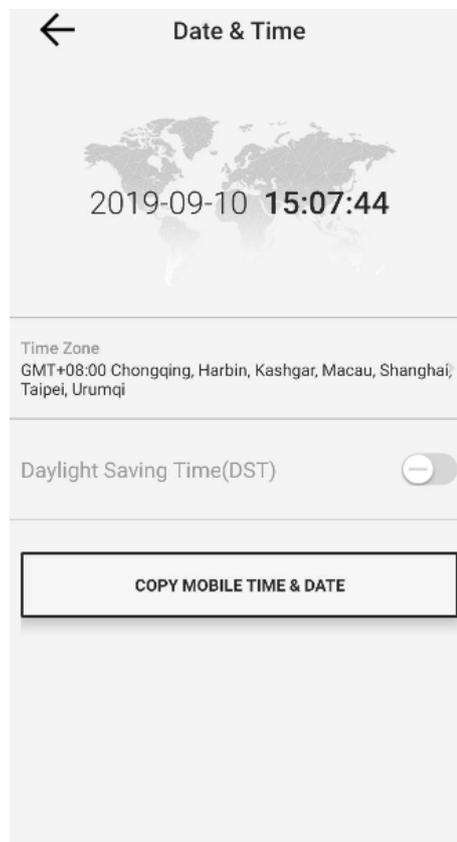
## IV-3. Nickname & Login Password

You can change the nickname and login password in this section.



## IV-4. Date & Time

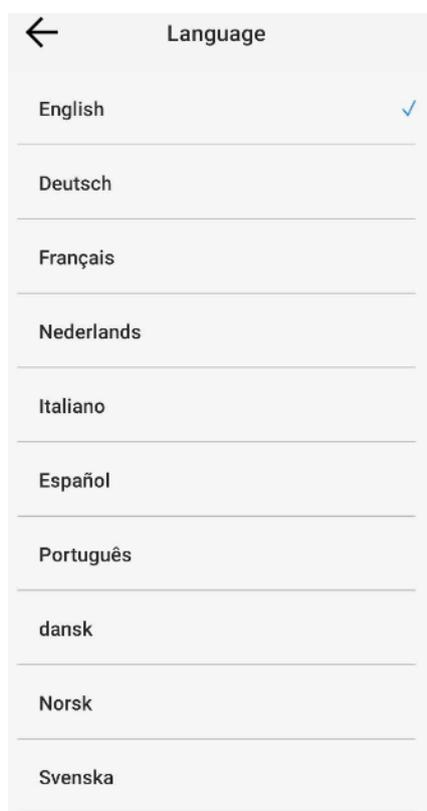
You can set up the date and time in the EdiMESH.



**Note: Not all countries have the DST, so you need to set the DST according to your local time.**

## IV-5. Languages

You can change the language in the EdiMESH App. It supports English, Traditional Chinese, Simplified Chinese, Deutsch, Français, Nederlands, Italiano, Español, Português, dansk, Norsk, Svenska, Polski, Română, Čeština, Українська and Русский.



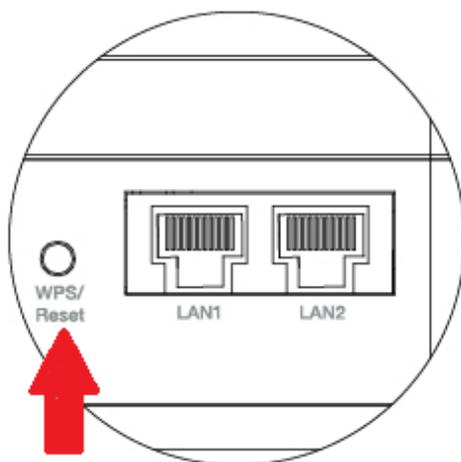
## IV-6. Factory Reset

If you experience problems with your RE-7478MK1, you can reset the devices back to their factory settings.

**Note: A factory reset erases all your data from your RE-7478MK1.**

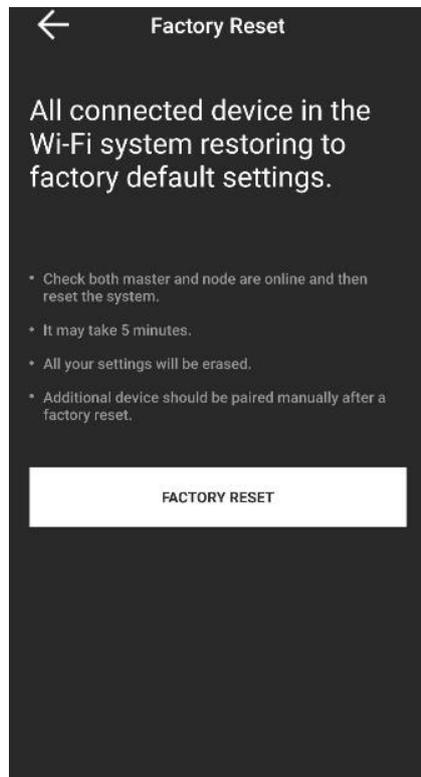
### Hardware Reset

1. Press and hold the reset button on the RE-7478MK1 for at least 10 seconds then release the button.
2. Wait for the Mesh to restart.

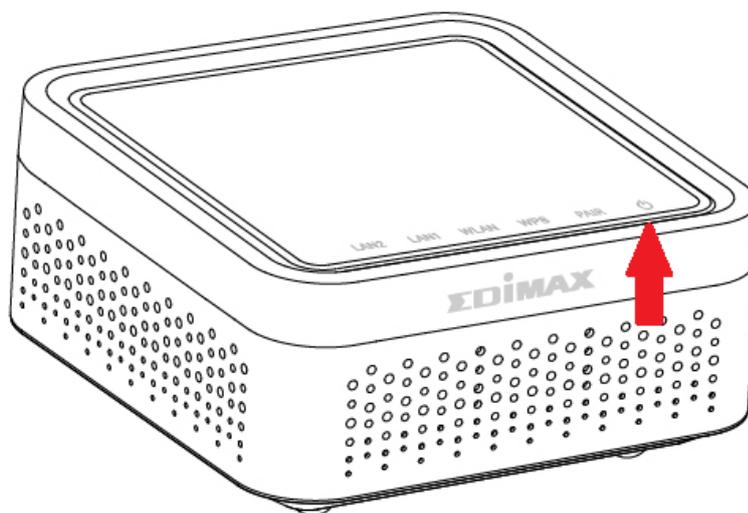


## Software Reset

1. Click “FACTORY RESET” button.

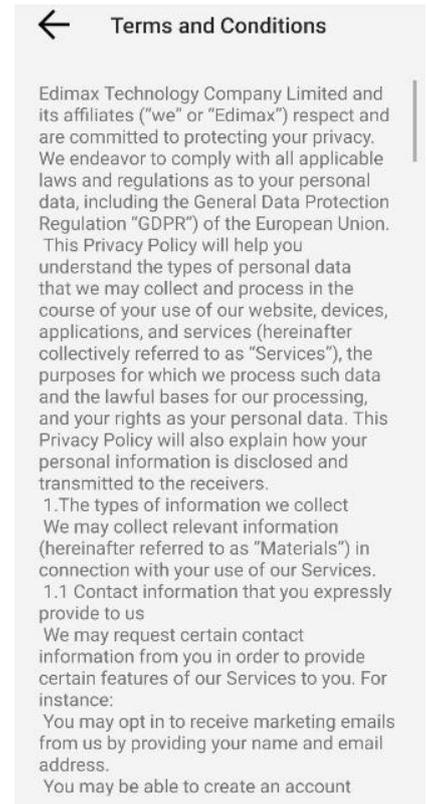
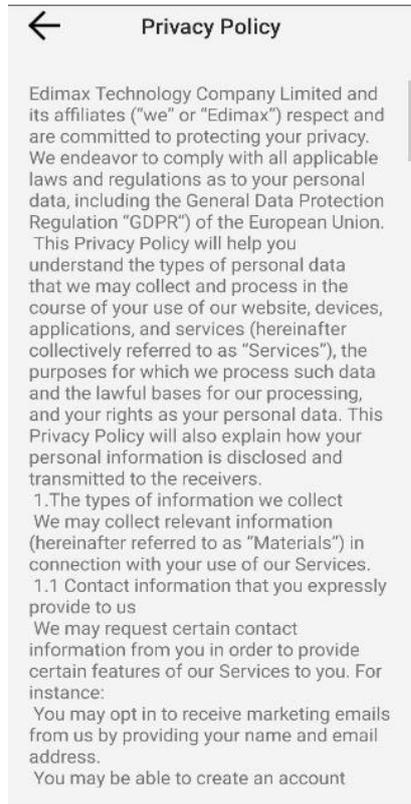
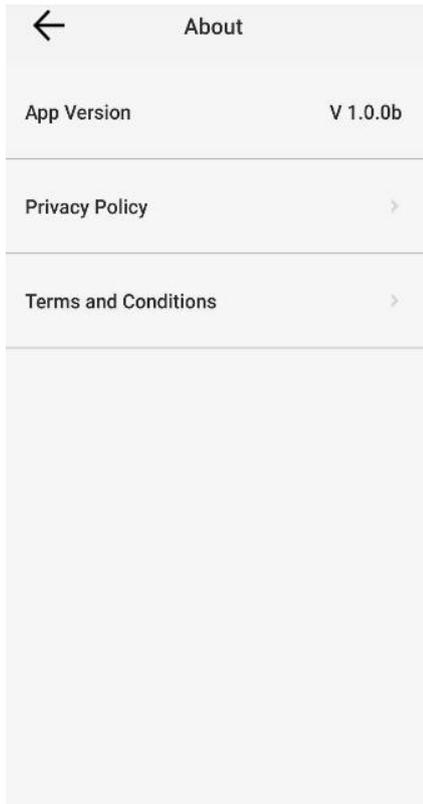


**NOTE: Please wait for the RE-7478MK1 to restart. It will take a few minutes to completely erase your data and finish the setting. The RE-7478MK1 is ready for setup when the PWR is Green.**



## IV-7. About

You can find the information of App Version, Privacy Policy and Terms and Conditions in this section.



## COPYRIGHT

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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website [www.edimax.com](http://www.edimax.com) for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

# Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio technician for help.

## FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device is restricted to indoor use.

## Federal Radiation Exposure Statement

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or nearby persons.

**This device is restricted to indoor use.**

## RED Compliance Statement

### Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power (dBm)
2400-2483.5	19.74
5150-5250	22.76

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type AC1200 Wireless LAN Dual-Band Concurrent Repeater is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: <http://www.edimax.com/edimax/global/>

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**Safety**

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

**EU Countries Intended for Use**

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

**EU Countries Not Intended for Use**

None

## EU Declaration of Conformity

- English:** This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/35/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/53/UE, 2014/35/UE.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/53/EU, 2014/35/EU).
- Türkçe:** Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2014/53/EU, 2014/35/EU.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/53/EU, 2014/35/UE.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/53/EU, 2014/35/EU.
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2014/53/EU, 2014/35/EU.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/53/EU, 2014/35/EU.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/53/EU, 2014/35/EU.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/53/EU, 2014/35/EU.
- suomen kieli:** Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN 



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### WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

## Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Radio Equipment Directive.

**Equipment: AC1200 Wireless LAN Dual-Band Concurrent Repeater**  
**Model No.: RE-7478MK1**

The following European standards for essential requirements have been followed:

### Directives 2014/53/EU

Spectrum : EN 300 328 V2.1.1 (2016-11)  
EN 301 893 V2.1.1 (2017-05)  
EMC : EN 301 489-1 V2.2.2 (2019-09)  
EN 301 489-17 V3.2.0 (2017-03)  
EN 55032:2015/AC:2016 Class B  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 55035:2017  
EMF : EN 62311:2008  
Safety (LVD) : IEC 62368-1:2014 (2<sup>nd</sup> Edition) and/or EN 62368-1:2014+A11:2017

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